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325 Heard Building  
Phoenix, Arizona  
October 5, 1943

TULLY - Ass't. Chief - Mining Division, Washington, D.C.

Re:- K.D. Terrell, MD-5792

Enclosed please find two copies of my  
report on the above captioned docket.

No loan is recommended for this project.

WM. B. MAITLAND  
Supervising Engineer.



RECONSTRUCTION FINANCE CORPORATION  
MINING DIVISION  
REPORT OF SUPERVISING ENGINEER

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Docket No. ND-5792  
Date Authorization for Exam. Rec'd Sept. 14, 1943  
Date of Examination..... October 1, 1943  
Date of Report October 5, 1943.

1. NAME AND ADDRESS OF APPLICANT

Name..... K. D. Terrell  
Address... General Delivery  
City and State Mayer, Arizona  
  
Correspondent.. Sam J. Head  
P.O. Box #591,  
Prescott, Arizona

2. CHARACTER OF PROJECT

To sink deeper an inclined shaft exposing a copper vein.

3. LOCATION OF MINE

Name of mine.... Mary Copper Mine  
Township, range, section - Sec. 8, 9, T12N, R1E  
G. & S.R.B. & M.  
Mining District, County, State - Big Bug Mining  
District, Yavapai County, Arizona.  
Name and distance by road nearest railway station-  
The mine is 4 miles north by road from Mayer,  
a town on the Santa Fe Railroad.  
Condition and seasonal accessibility of road, mine  
to railway - Except for the last 1/2 mile this  
road is a well graded dirt road accessible at  
all times of the year.

4. APPLICANT

The applicant is a practical miner about 50 years old who has had many years experience in the operation of small copper properties in this district. I believe he is capable to operate this project.

5. LOAN REQUESTED

Application requests a loan of \$21,000. No loan is recommended.



6. DESCRIPTION OF PROJECT

A. Legal Considerations

Applicant owns seven unpatented mining lode claims.

B. Existing Development

Development consists of a small inclined one-compartment shaft 65' deep and a number of other shallow but inaccessible shafts.

C. Surface Improvements

They consist of a small hoist, compressor and a few shacks. Most of the equipment is too old and small to be of use.

D. General Geology of Area

The mine is located in the Yavapai Schists which have been cut by acid dikes. Nearby mines are the Iron King and the Hackberry, both producing mines.

E. ECONOMIC GEOLOGY OF DEPOSIT

Attached hereto is a list of assays and a map showing the location of the samples. The Yavapai schist here consists of sericite schist with small lenses of quartz. The ore is formed by mineralization of the schist with malachite, azurite cuprite and paramelaconite. A large fault also cuts the shaft near its collar.

F. Ore Reserves

The samples indicate that the copper mineralization exposed in the shaft is too small and lower grade to be classed as ore.

G. Economic Considerations

Since the shaft is located near a large creek further sinking would probably encounter large volumes of water. In addition the present shaft would have to be straightened, enlarged, and retimbered before it could be sunk deeper. The present equipment is inadequate for further work at this property.

H. Proposed Expenditures

No expenditures are recommended for this project.



8. COMMENTS OF SUPERVISING ENGINEER

Since my sampling did not indicate the presence of commercial ore any further work done on this project would be in the nature of costly prospecting and for that reason, I do not recommend a loan for this mine.

WM. B. MAITLAND  
Supervising Engineer

No. 385 1A

CHAS. A. DIEHL

Phoenix, Arizona,

Oct. 2, 1943.

# ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

This Certifies That samples submitted for assay by

Mr. Wm. B. Maitland.

contain as follows per ton of 2000 lbs. Avoir.

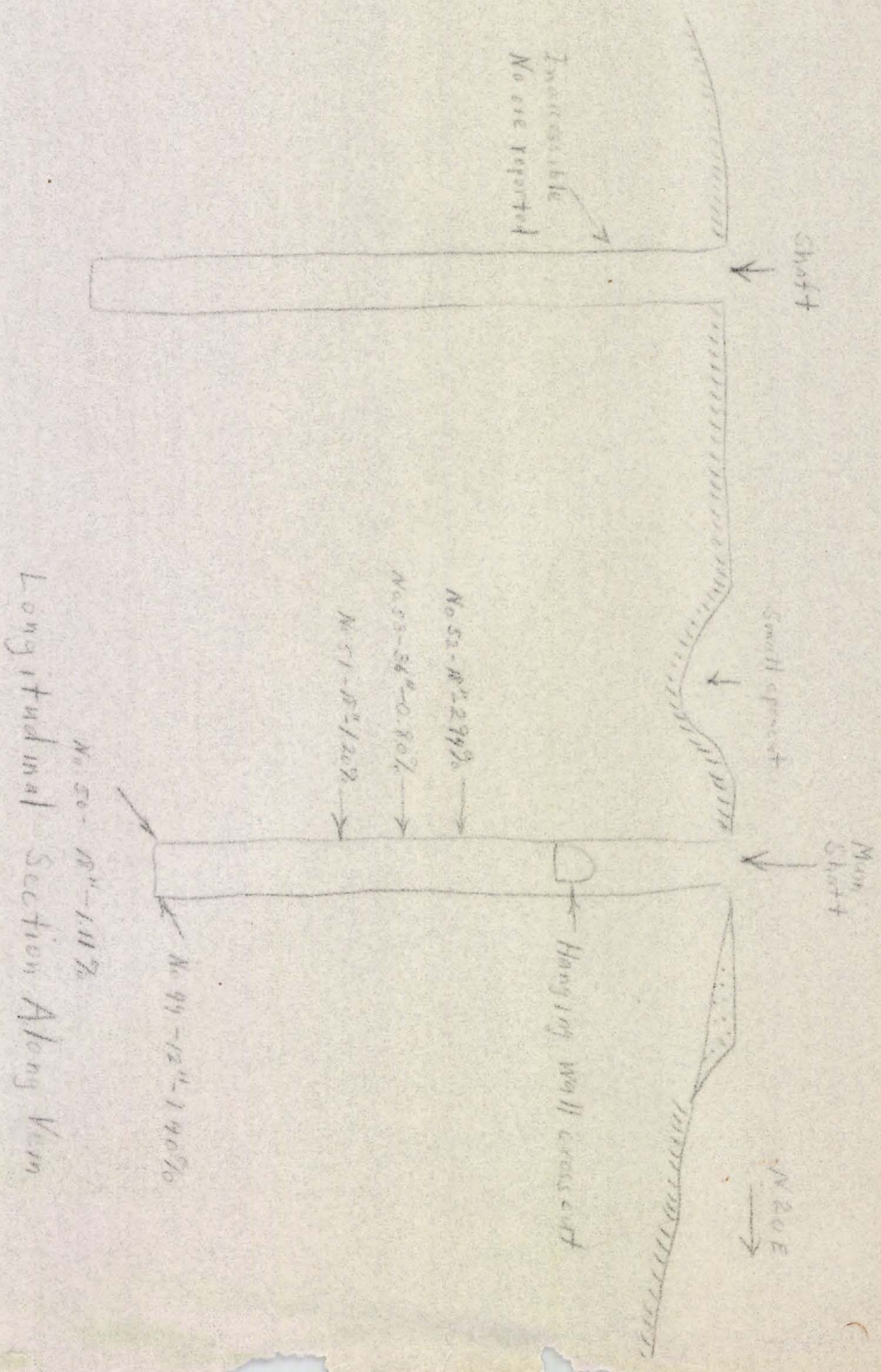
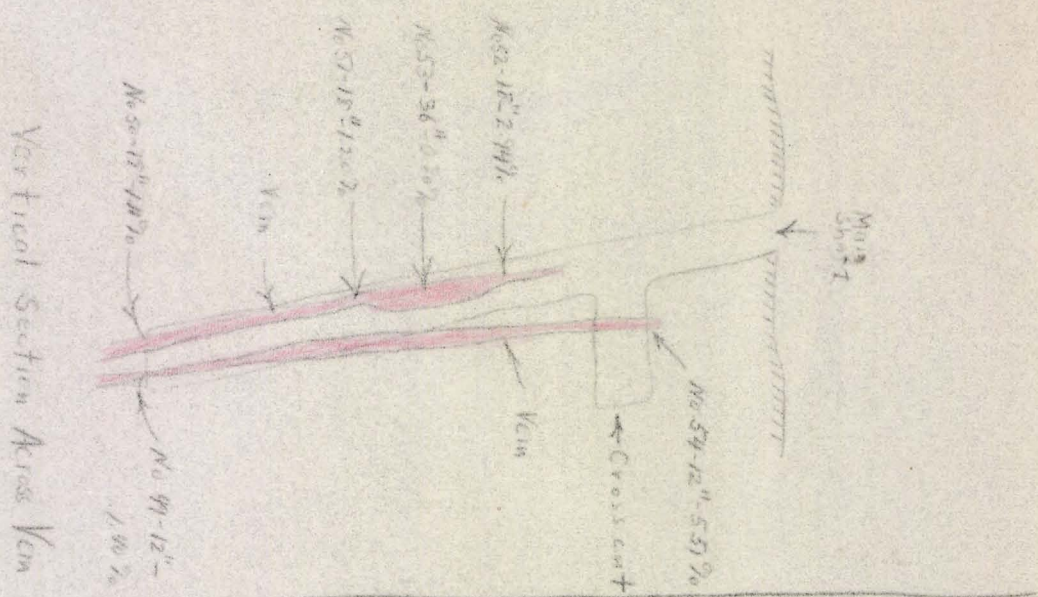
No	MARKS	SILVER		VALUE (Oz.)		GOLD		VALUE (Oz.)		TOTAL VALUE Of Gold and Silver	% PERCENTAGE %			REMARKS
		Ounces	Tenths			Ounces	Hundths				COPPER			
49	12"	Trace				.01		\$ .35			1.40			
50	18"	Trace				Trace		--			1.11			
51	18"	Trace				.01		\$ .35			1.20			
52	18"	Trace				.01		\$ .35			2.94			
53	36"	Trace				.02		\$ .70			.60			
54	12"	.2				.02		\$ .70			5.51			

Charges \$ 12.00

Assayer ARIZONA ASSAY OFFICE







K. D. Terrell ND 5792

Scale 1"=20' Oct 1, 1943

Wm B. Spaulding

Percentages in C.P.P.C.



# Report of Supervising Engineer

Docket No. ND 5792

Date Authorized for

Exam Recd Sept 14, 1943

Date of Exam Oct 1, 1943

Date of Report Oct 5, 1943

## 1. Name and address of applicant

Name - K. D. Terrell

Address - Gen. Del.

City & State - Mayer, Arizona

Correspondent - Sam J. Head

P. O. Box 591, Prescott, Ariz

## 2. Character of Project

To sink deeper an inclined shaft

exposing a copper vein

## 3. Location of mine

Name of mine - Mary Copper Mine

Township, range, section - Sec 8, 9, T12 N, R1E  
G & S R B + M

Mining District, County, State - Big Bug Mining  
District, Yavapai Co, Arizona

Name & distance by road nearest railway  
station - The mine is 4 miles  
north by road from Mayer  
a town on the Santa Fe Railroad

Condition & seasonal accessibility of road, mine  
to railway - Except for the  
last 1/2 mile this road  
is a well graded dirt  
road accessible at all  
times of the year.



#### 4. Applicant

The applicant is a practical miner about 50 years old who has had many years experience in the operation of small copper properties in this district. I believe he is capable to operate this project.

#### 5. Loan Requested

Application requests a loan of \$21,000.  
No loan is recommended.

#### 6. Description of Project.

##### A. Legal Considerations

applicant owns seven unpatented mining lode claims

##### B. Existing Development

Development consists of a small inclined one compartment shaft 65' deep and a number of other shallow <sup>but</sup> inaccessible shafts.

##### C. Surface Improvements

They consist of a small hoist, compressor and a few shacks. Most of the equipment is too old and small to be of use.

##### D. General Geology of area

The mine is located in the Yavapai schists which have been cut by acid dikes. Nearby mines are the Chon King and the Hackberry <sup>Mines</sup> both producing mines.

##### E. Economic Geology of Deposit

Attached hereto is a list of assays and a map showing the location of the samples. The Yavapai schist here consists of sericitic schist with

(2)

small lenses of quartz. The ore is formed by mineralization of the schist with malachite, azurite, cuprite and ~~paramo~~ paramelaconite. A large fault also cuts the shaft near its collar.

#### F. Ore Reserves

The ~~sample~~ samples indicate that the <sup>copper</sup> ~~ore~~ mineralization exposed in the shaft is too small and low grade to be classed as ore.

#### G. Economic Considerations

(3)

Since the shaft is located near a large creek further sinking would probably encounter large volumes of water. In addition the present shaft would have to be straightened, enlarged, and retimbered before it could be sunk deeper. The present equipment is inadequate for further work at this property.

#### H. Proposed Expenditures

No expenditures are recommended for this project.

#### I. Comments of Supervising Engineer

Since my sampling did not indicate the presence of commercial ore any further work done on this project would be in the nature of <sup>costly</sup> prospecting and for that reason I do not recommend a loan for this mine.

Wm B Mantel

Supy Eng



# Terrall

\$10,000

75  
6  
4500

\$25

Exchange + clean shaft (utimber) 65'	\$ 650.00
Rebuild head frame + bin	400.00
Sinking shaft 75' @ \$60/ft.	4500.00
Churnhouse deposit	500.00
Drift 100' from bottom of shaft	2500.00
Churnhouse road	100.00
	<hr/> 8650.00
Move + install compressor engine	1000.00
5 mo. <sup>purchase mo.</sup> rent on 1/1	50.00
	<hr/> 9700.00
Reserve for contingencies	300
	<hr/> \$ 10,000.00